August 2017

**MMR Education file for: ……..**
**Educator(s): (Prof.) Dr. ……..**
**Date:**

**Preparatory training:** (optional: provide résumé)

**Training programme**

## I - Cursory components

Theoretical and practical training in medical microbiology and associated subjects.

*Indicate level of knowledge as finally attained level*:

(A) Independent master and control on the subject
(B) Knowledge on theoretical and practical level
(C) Knowledge on theoretical level

| **Level of knowledge** | **A** | **B** | **C** | **Remarks** |
|---|---|---|---|---|
| | | | | |
| **Medical microbiology** | | | | |
| Bacteriology | | | | |
| Virology | | | | |
| Parasitology | | | | |
| Mycology | | | | |
| | | | | |
| **Basic subjects** | | | | |
| Molecular biology | | | | |
| Biochemistry | | | | |
| Biotechnology | | | | |
| Animal experiments | | | | |
| Immunology | | | | |
| Cell biology | | | | |
| Epidemiology | | | | |
| Biostatistics | | | | |
| Bioinformatics | | | | |
| | | | | |
| **Regulations** | | | | |
| Regulation on genetically modified organisms | | | | |
| NVMM guidelines | | | | |
| | | | | |
| **Management** | | | | |
| Quality management | | | | |
| Laboratory management | | | | |
| Research Management | | | | |
| | | | | |
| **Other** | | | | |
| | | | | |

*Courses (examples between {}, add as required)*:

| | **Date** | **Institution** |
|---|---|---|
| {Scientific writing} | | |
| {Scientific presentation} | | |
| {Statistics} | | |
| | | |
| Other | | |
| | | |

## II - Research components

*Indicate level of knowledge as finally attained level:*

(A) Independent master and control on the subject
(B) Knowledge on theoretical and practical level
(C) Knowledge on theoretical level

| **Level of knowledge** | **A** | **B** | **C** | **Remark** |
|---|---|---|---|---|
| | | | | |
| **Research** | | | | |
| Execution of research | | | | |
| Design of research | | | | |
| Data processing | | | | |
| Reporting | | | | |
| Grant application | | | | |
| Progress report | | | | |
| **Diagnostic techniques** | | | | |
| **Detection of pathogens**<br>examples:<br>{Molecular}<br>{Morphological}<br>{Serological} | | | | |
| **Molecular typing**<br>examples:<br>{AFLP}<br>{MLST}<br>{MALDI-TOF}<br>{(Whole genome) sequencing} | | | | |
| **Cell culture**<br>examples:<br>{Propagation of cell lines}<br>{Virus infection}<br>{TCID50} | | | | |
| **Immunological and serological techniques**<br>examples:<br>{Elisa}<br>{Immunofluorescence}<br>{Immunoblotting} | | | | |
| | | | | |

| | | | | |
|---|---|---|---|---|
| **Molecular Biology techniques**<br>examples:<br>{DNA/RNA isolation}<br>{(RT-)PCR}<br>{Real-time PCR}<br>{Cloning}<br>{(NGS)-sequencing**}** | | | | |
| **Microbiology techniques**<br>examples:<br>{Microscopy}<br>{Bacterial culture}<br>{Antimicrobial resistance} | | | | |
| **Biochemical techniques**<br>examples:<br>{Protein purification}<br>{Lipid analysis}<br>{HPLC/FLPC}<br>{Proteomics} | | | | |
| **Other relevant techniques** | | | | |
| | | | | |

*Publications and contribution to scientific conferences (add as required):*

1.

2.

3.

## III - Thesis:

Title:
Defence date:
Summary: (optional: add as separate attachment)